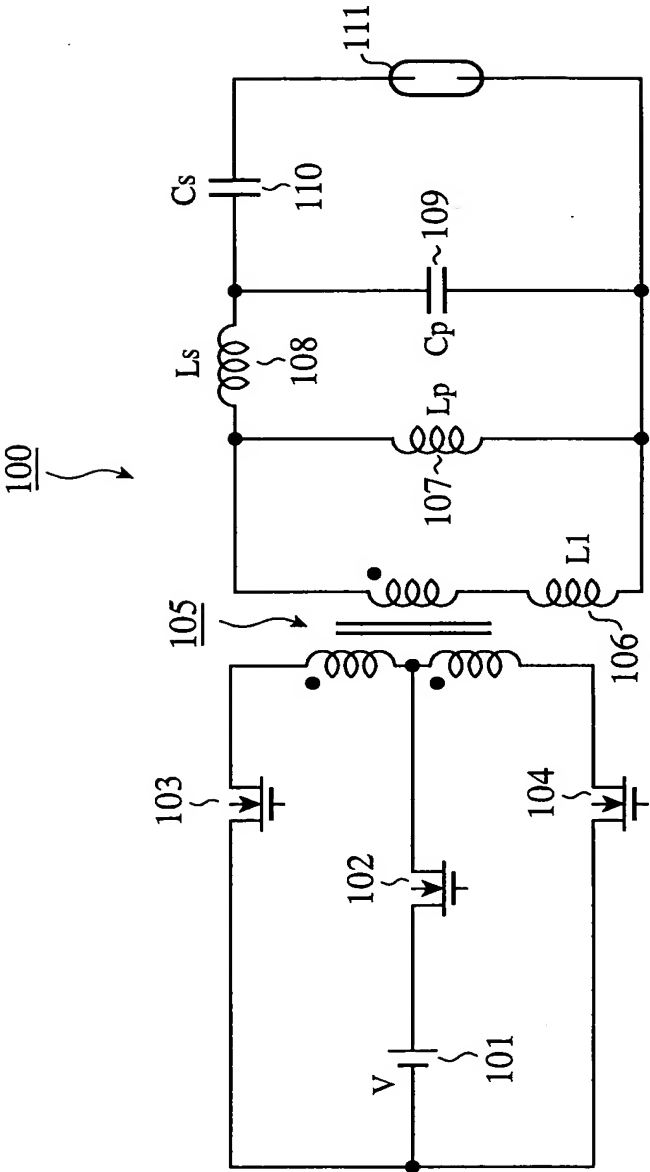


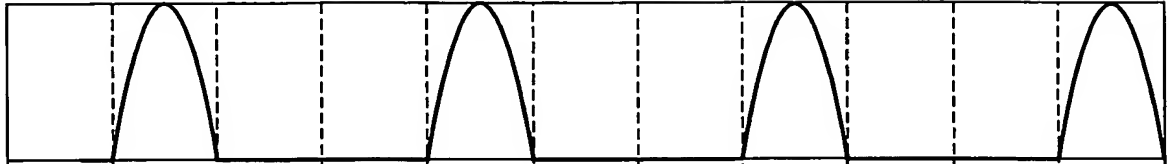
FIG.1



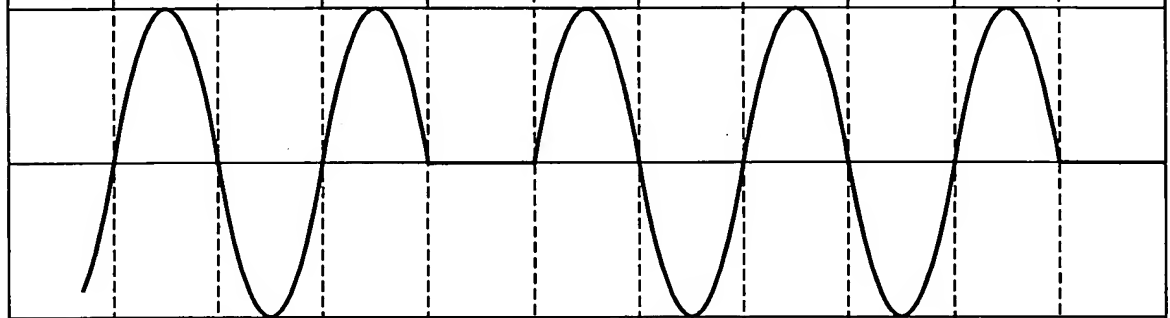
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FIG.2

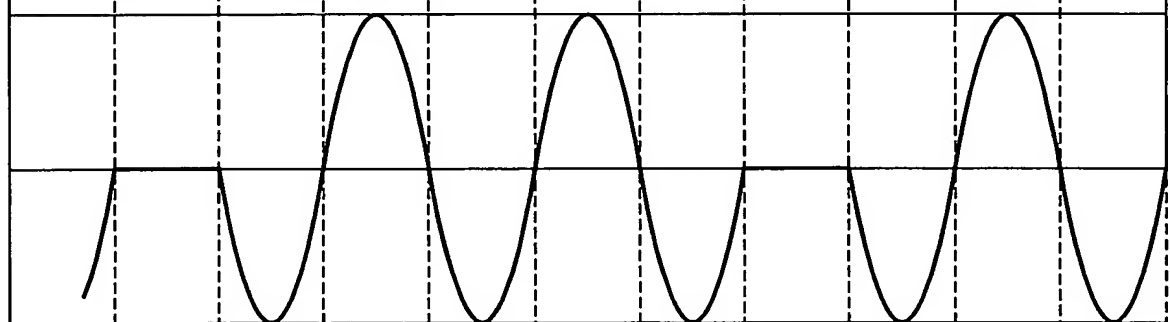
Current Passing Through Switch 102



Current Passing Through Switch 103



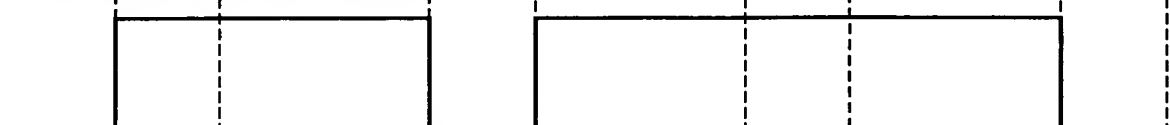
Current Passing Through Switch 104



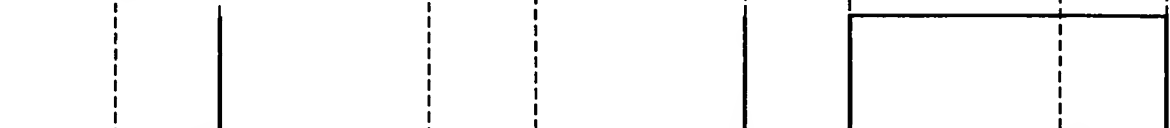
Gate Signal Applied To Switch 102



Gate Signal Applied To Switch 103



Gate Signal Applied To Switch 104



Horizontal Axis: Time

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FIG.3

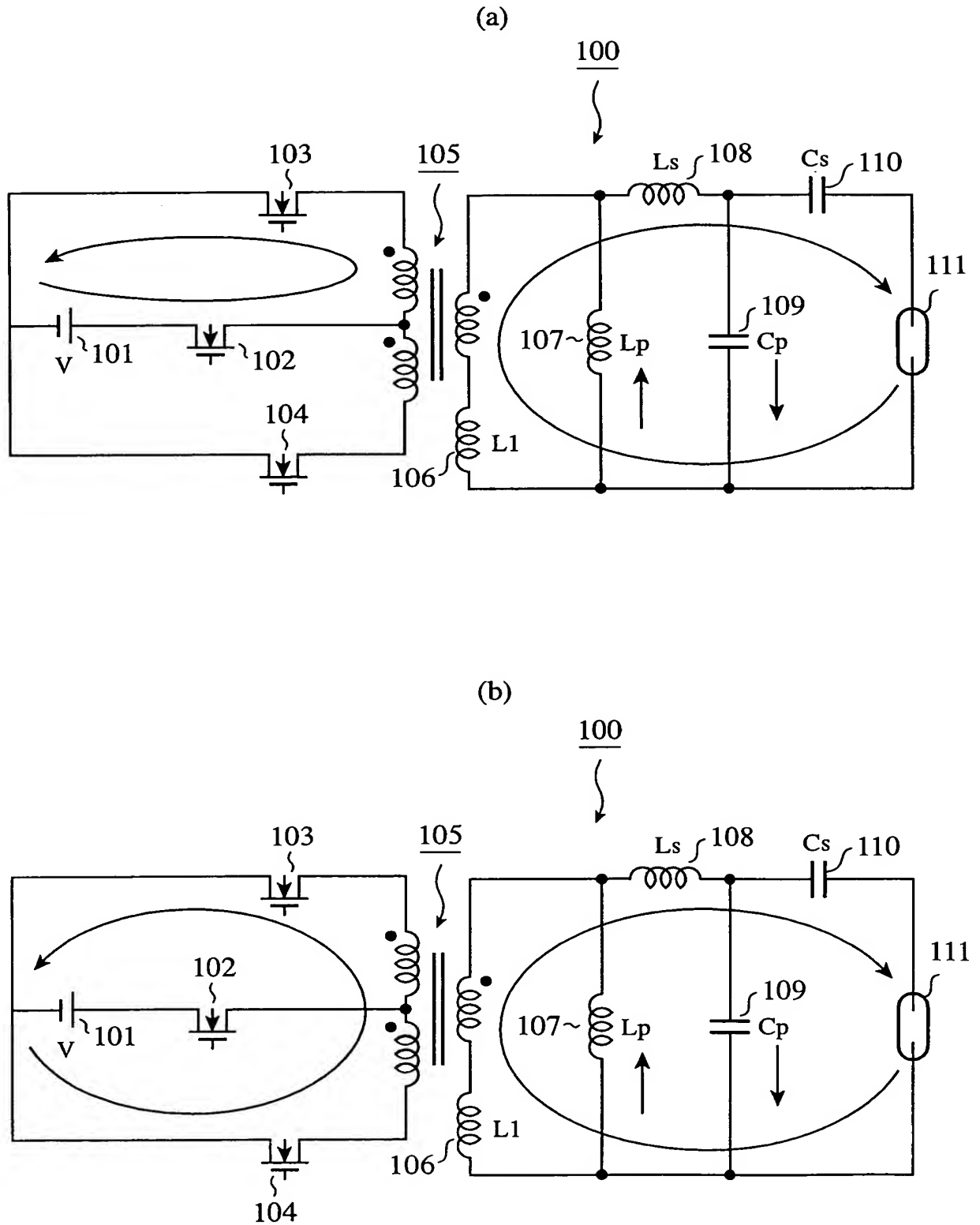
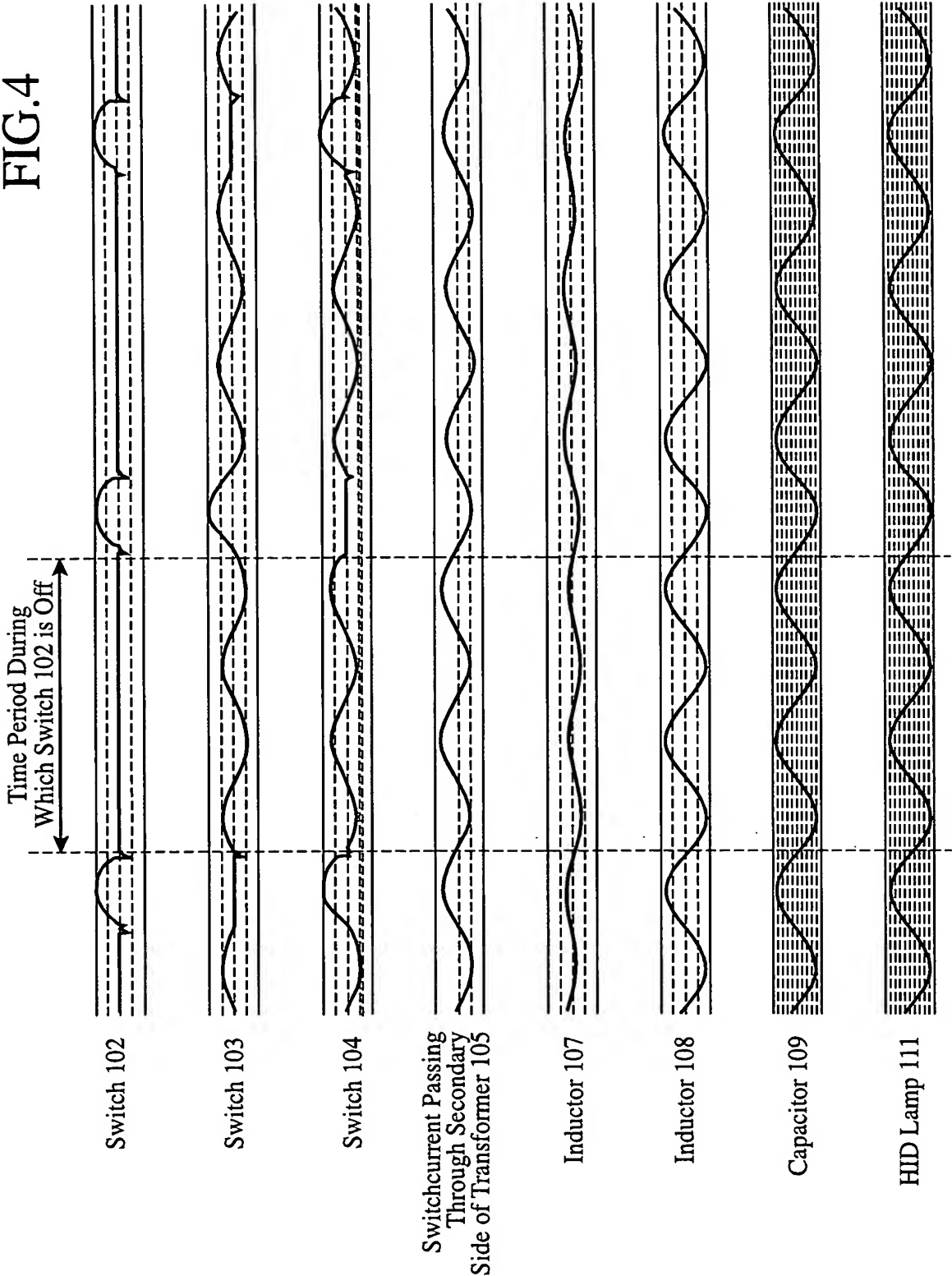


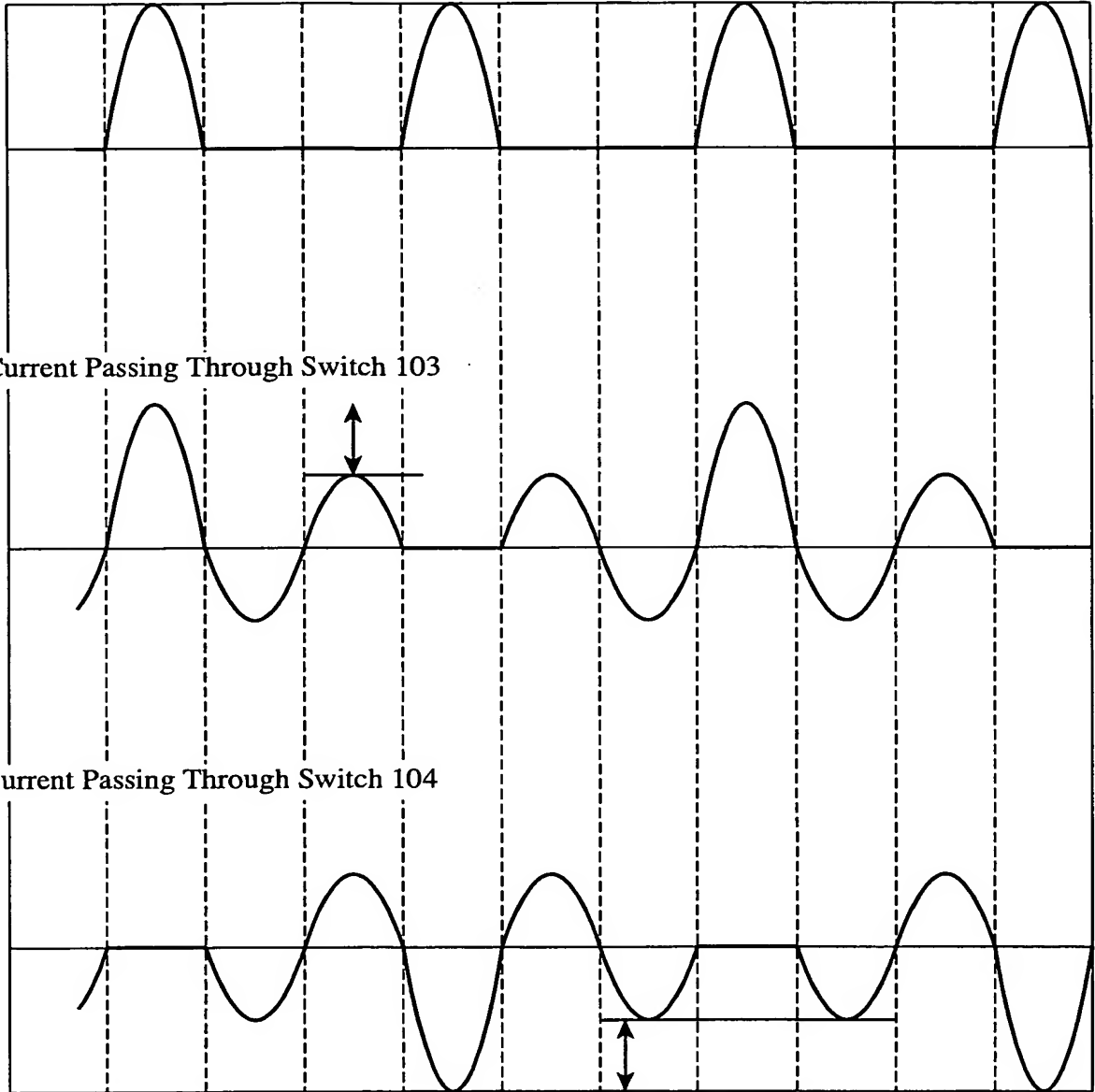
FIG.4



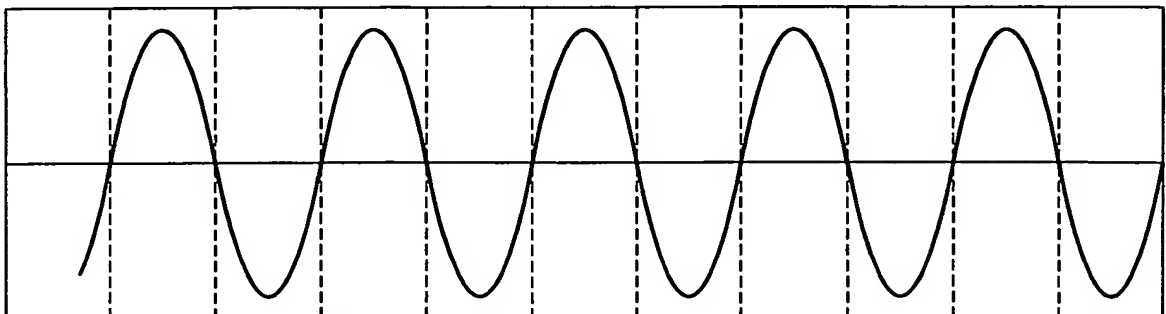
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FIG.5

Current Passing Through Switch 102

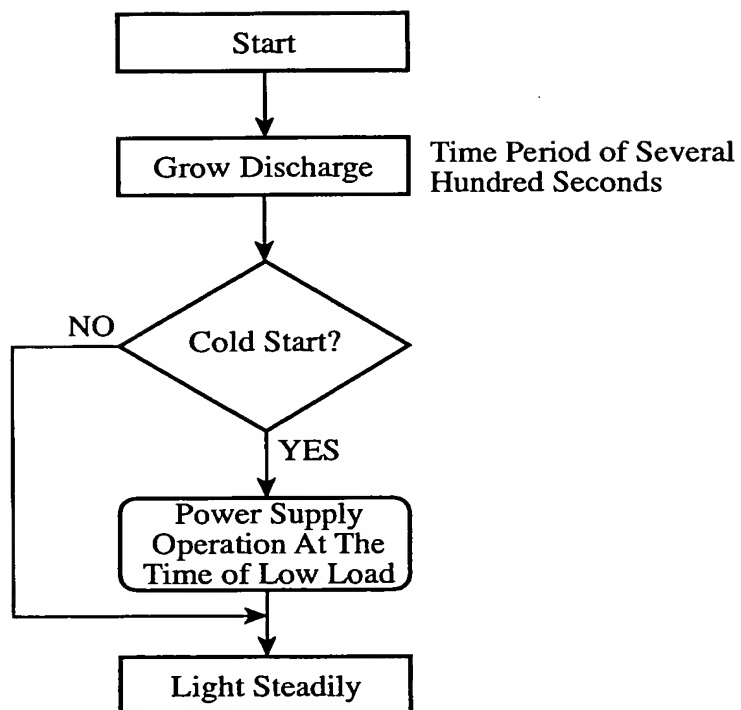


Current Passing Through Secondary Winding Of Transformer 105



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FIG.6

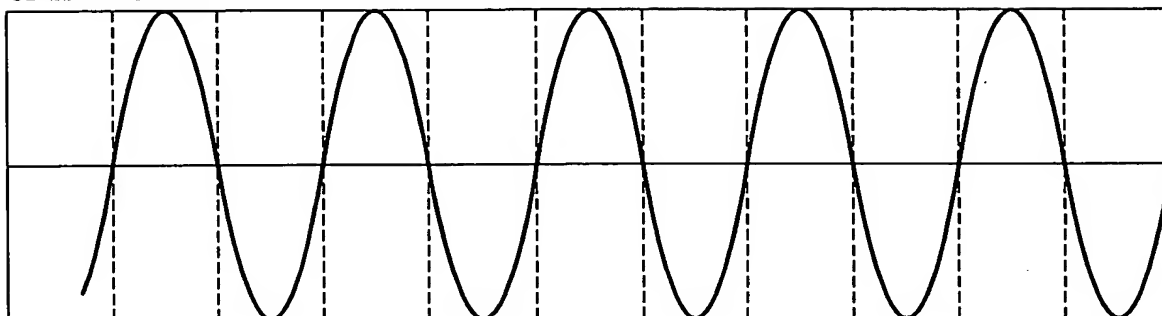


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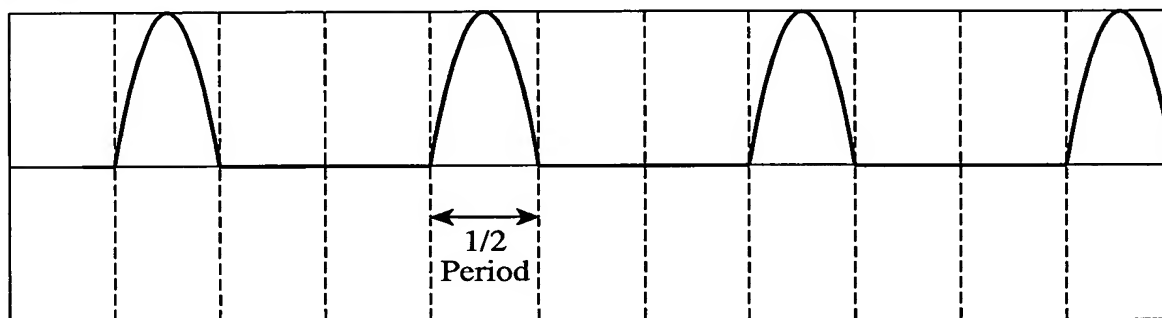
FIG. 7

Current Passing Through
Secondary Winding
of Transformer

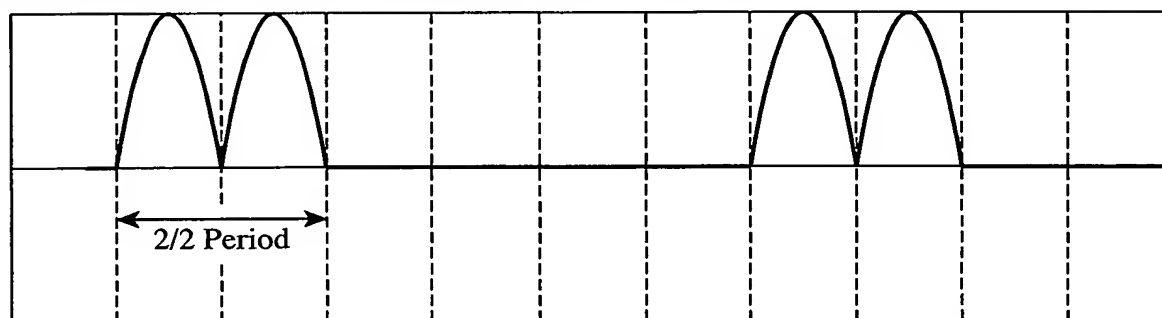
Period



Example 1 of Time Period During Which Switch 102 is On



Example 2 of Time Period During Which Switch 102 is On



Example 3 of Time Period During Which Switch 102 is On

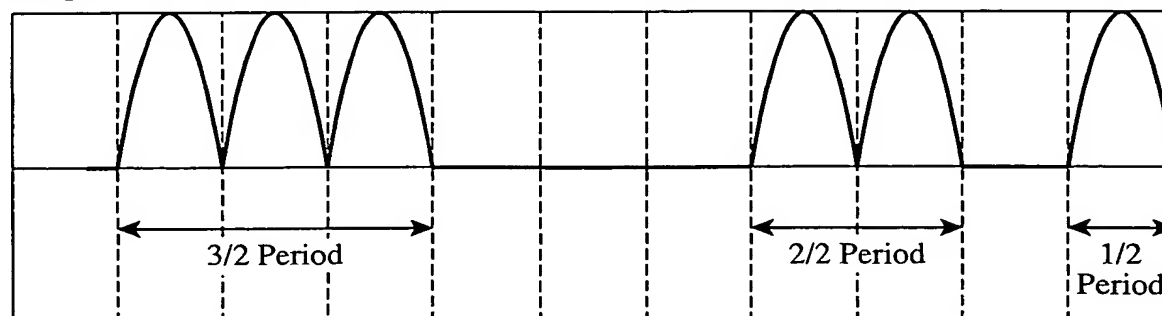
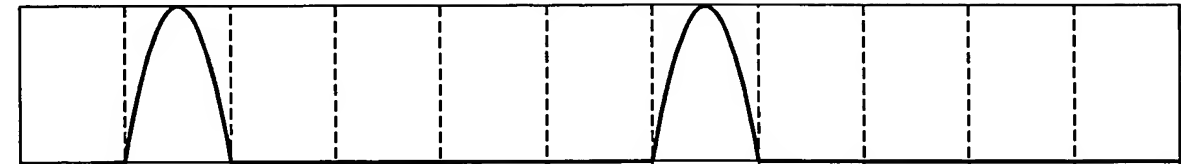
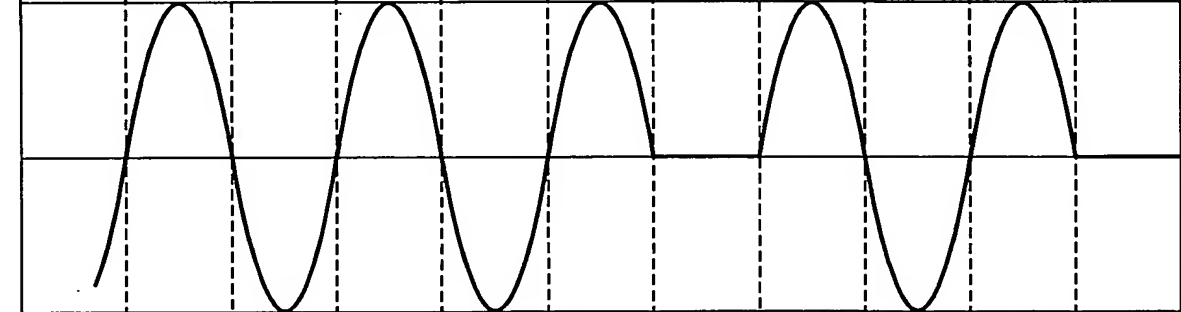


FIG.8

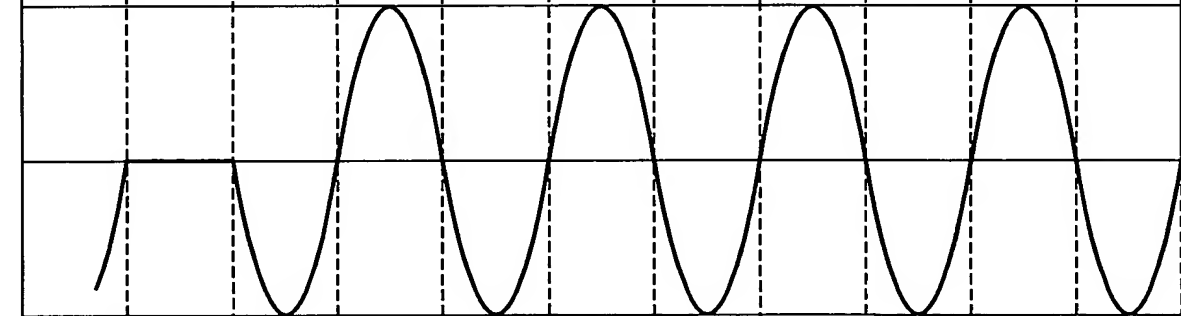
Current Passing Through Switch 102



Current Passing Through Switch 103



Current Passing Through Switch 104



Gate Signal Applied To Switch 102



Gate Signal Applied To Switch 103



Gate Signal Applied To Switch 104

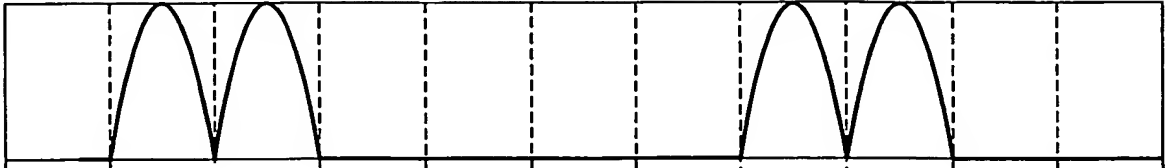


Horizontal Axis: Time

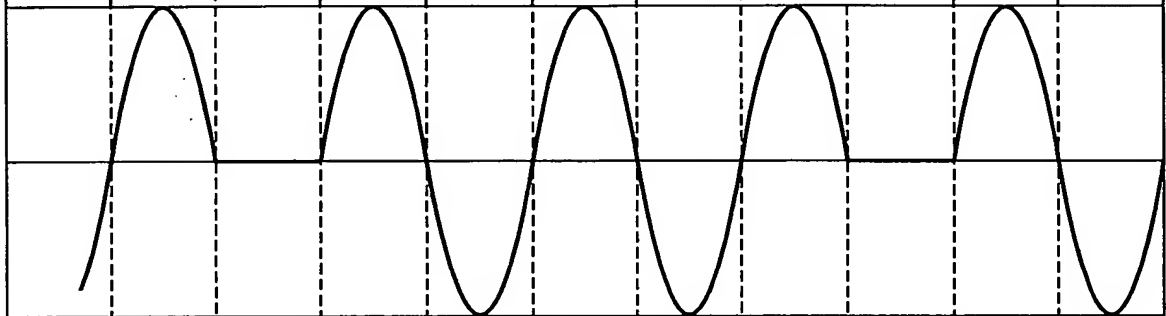
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FIG.9

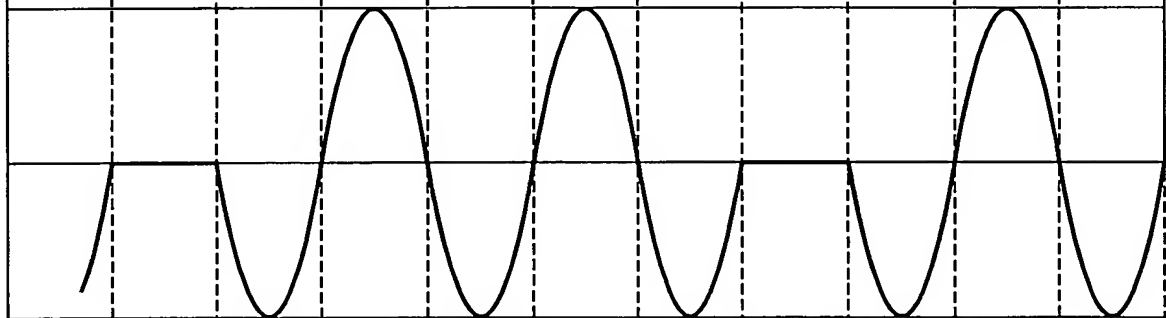
Current Passing Through Switch 102



Current Passing Through Switch 103



Current Passing Through Switch 104



Gate Signal Applied To Switch 102



Gate Signal Applied To Switch 103



Gate Signal Applied To Switch 104

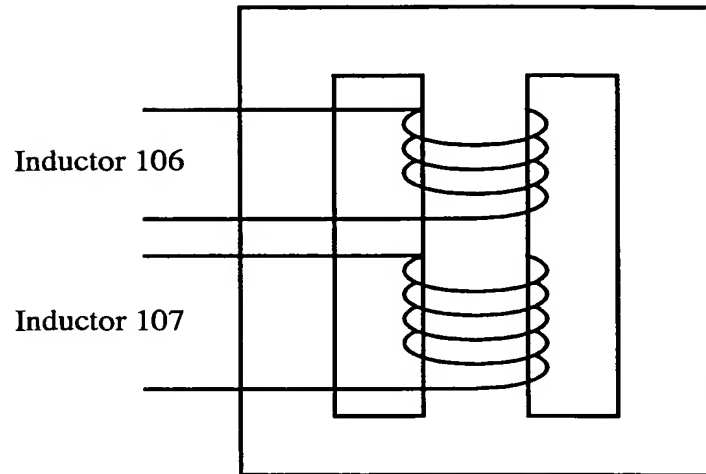


Horizontal Axis: Time

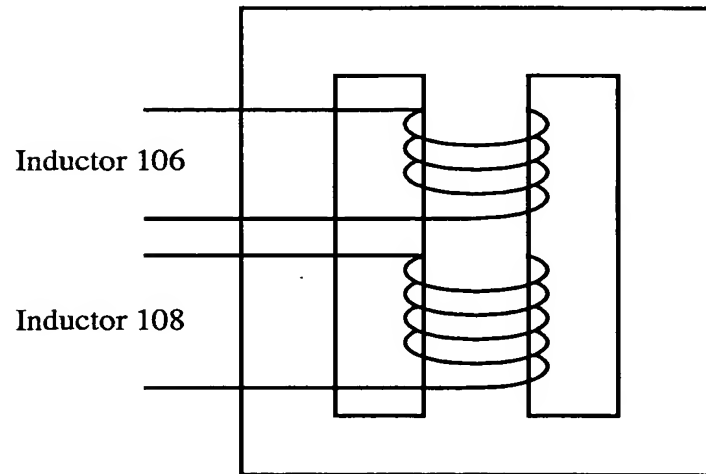
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FIG.10

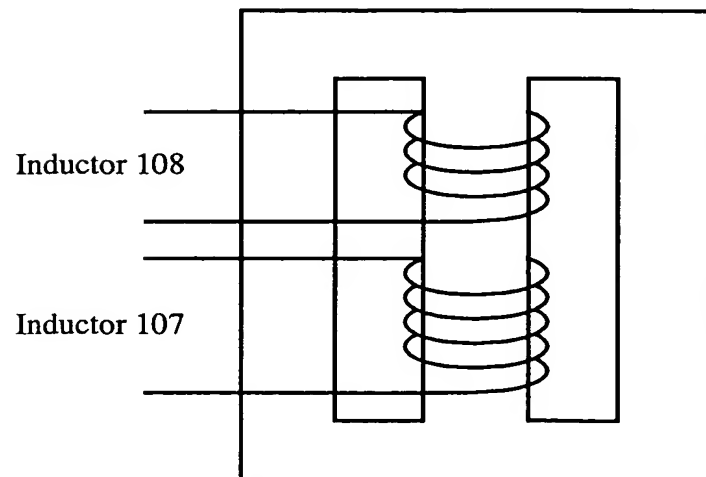
example 1



example 2

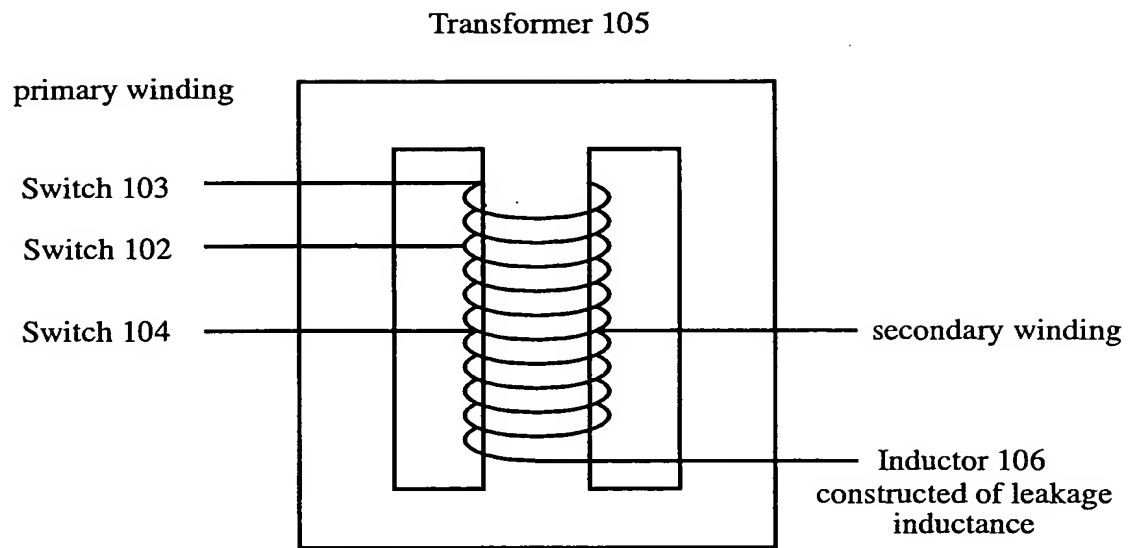


example 3



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FIG. 11

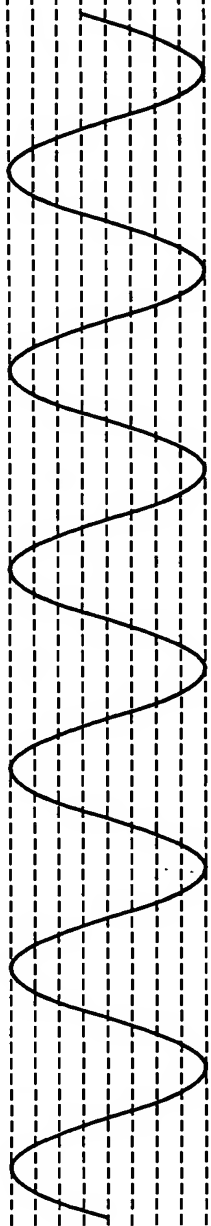


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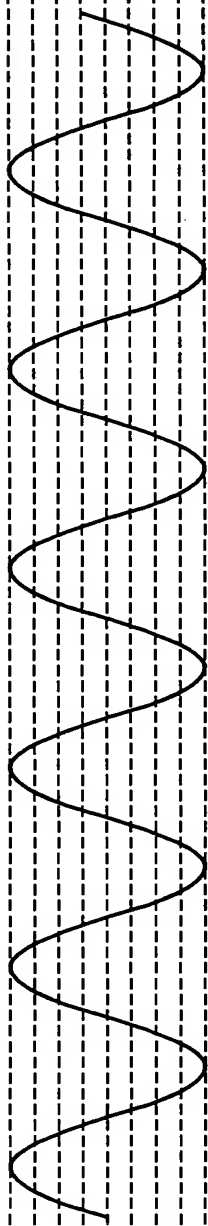
FIG.12

$C_s = C_p$

HID Lamp 111

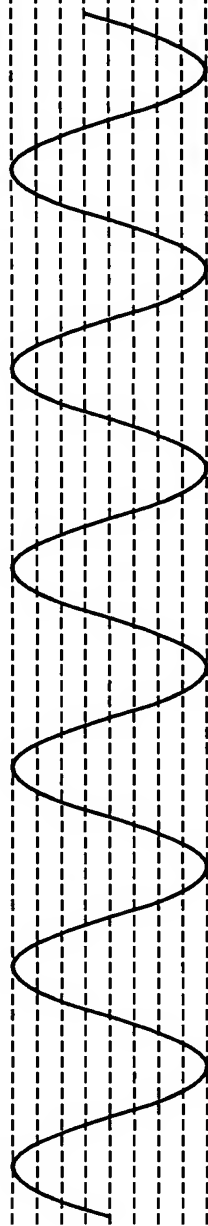


Capacitor 109



$C_s > C_p$

HID Lamp 111



Capacitor 109

